## **UNITED STATES PATENT AND TRADEMARK OFFICE**

Re:

Group:

To be assigned

Application of:

Anand BAICHWAL

Serial No.:

To be assigned

Filed:

Herewith

For:

Sustained Release Heterodisperse Hydrogel

**Systems-amorphous Drugs** 

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Alexandria, VA 22313-1450

January 27, 2004

Sir:

In accordance with the provisions of 37 C.F.R. § 1.97, Applicants hereby make of record the document listed on the accompanying Form PTO 1449 (11 sheets), enclosed herewith, for consideration by the Examiner in connection with the examination of the above-identified patent application.

The references cited on the accompanying Form PTO 1449 are of record in the Parent U.S. Application Serial No. 09/879,296. Accordingly, under 37 C.F.R. § 1.98(d), copies of these references are not enclosed.

The Examiner's attention is directed to sheet 11 of the enclosed Form-PTO 1449, which lists a reference cited by the Examiner during prosecution of U.S. Application Serial No. 09/879,296. Accordingly, under 37 C.F.R. § 1.98(d) a copy of this reference is also not enclosed.

- Applicants also respectfully advise the Examiner of the following commonly assigned U.S. Patents and applications:
- U.S. Patent No. 5,455,046; "Sustained Release Heterodisperse Hydrogel Systems for Insoluble Drugs", issued October 3, 1995;
- U.S. Patent No. 5,662,933, "Controlled Release Formulation (Albuterol), issued September 2, 1997;
- U.S. Patent No. 5,512,297, "Sustained Release Heterodisperse Hydrogel Systems for Insoluble Drugs", issued April 30, 1996;
- U.S. Patent No. 5,554,387, "Sustained Release Heterodisperse Hydrogel Systems for Insoluble Drugs", issued September 10, 1996;
- U.S. Patent No. 5,667,801, "Sustained Release Heterodisperse Hydrogel Systems for Insoluble Drugs", issued September 16, 1997;
- U.S. Patent No. 5,773,025, "Sustained Release Heterodisperse Hydrogel Systems-Amorphous Drugs", issued June 30, 1998;
- U.S. Patent No. 5,846,563, "Sustained Release Heterodisperse Hydrogel Systems for Insoluble Drugs", issued December 8, 1998;
- U.S. Patent No. 5,958,456, "Controlled Release Formulation (Albuterol), issued September 28, 1999;
- U.S. Patent No. 6,093,420, "Sustained Release Matrix for High-Dose Insoluble Drugs", issued July 25, 2000;
- U.S. Patent No. 6,245,355, "Sustained Release Matrix for High-Dose Insoluble Drugs", issued June 12, 2001;
- U.S. Patent No. 6,056,977, "Novel Once-A-Day Controlled Release Sulfonylurea Formulation", issued May 2, 2000;
- U.S. Patent No. 6,048,548, "Sustained Release Heterodisperse Hydrogel Systems-Amorphous Drugs", issued April 11, 2000;
- U.S. Patent No. 6,245,356, "Sustained Release Heterodisperse Hydrogel Systems-Amorphous Drugs", issued June 12, 2001;
- U.S. Patent No. 6,136,343, "Sustained Release Matrix for High-Dose Insoluble Drugs", issued October 24, 2000;
  - U.S. Patent Application No. 09/654,691, "Sustained Release Heterodisperse

Hydrogel Sysytems For Insoluble Drugs", filed September 5, 2000, allowed;

- U.S. Patent Application Serial No. 09/842,289, Sustained Release Matrix For High Dose Insoluble Drugs", filed April 25, 2001, allowed;
- U.S. Patent Application Serial No. 09/879,296, "Sustained Release Heterodisperse Hydrogel Systems-Amorphous Drugs", filed June 12, 2001, allowed.

Pursuant to 37 C.F.R. § 1.98 (a)(2)(iii), the Examiner's attention is directed to **Exhibit A**, attached herewith, which contains the following:

- (i) allowed claims of U.S. Patent Application Serial No. 09/654,691, which has the same specification as U.S. Patent No. 6,136,343, listed as reference HF on the enclosed Form PTO-1449.
- (ii) allowed claims of U.S. Patent Application Serial No. 09/842,289, which has the same specification as U.S. Patent No. 6,245,355, listed as reference IA on the enclosed Form PTO-1449.
- (iii) allowed claims of U.S. Patent Application No. 09/879,293, which is the parent application of the application filed herewith, and has the same specification as U.S. Patent No. 6,245,356, listed as reference IB on the enclosed Form PTO-1449.

It is respectfully requested that the references cited on the accompanying Form PTO 1449 be considered and made of record. If any of the publications listed thereon are missing, the Examiner is requested to contact the undersigned so that a copy may be promptly forwarded.

No fee is believed to be due for the submission of this Information Disclosure Statement as it is filed under 37 C.F.R. § 1.97(b), before the mailing of a first Office Action on the merits or within three (3) months of the actual filing date. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Attorney Deposit Account No. 50-0552.

Respectfully submitted, DAVIDSON, DAVIDSON & KAPPEL, LLC

Leslye B. Davidson Reg/No. 38,854

Davidson, Davidson & Kappel, LLC 485 Seventh Avenue 14<sup>th</sup> Floor New York, New York 10018 (212) 736-1940

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	AA	4	8	0	3	8	8	1	02/07/89	Falk, et al.	424	488	_	
	AB	4	8	9	4	2	3	5	01/16/90	Kohne, et al.	424	452		
	AE	5	1	0	8	7	5	7	04/28/92	Erdos, et al.	424	451		
	AD	5	5	5	6	3	8	7	09/10/96	Baichwal	424	488		
	AE	3	4	8	5	0	4	7	12/23/69	Bossert, F., et al.	260	295.5		
	AF	3	7	8	4	6	8	4	01/08/74	Bossert, F., et al.	424	37		
	AG	4	6	8	5	ű	8	1	05/12/87	Dol, et al.	514	356		
	АН	4	8	8	0	7	7_	3	12/26/89	Kim, et al.	424	450		
	Al	4	9	8	3	5	9	01/08/91	Miyajima, et al.	514	110			
	AJ	5	0	1	5	4	7	9	05/14/91	Mulligán, et al.	424	457		
	AK	5	1	2	8	1	6	2_	07/07/92	Mulligan, et al.	424	457		
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	AN	2	7	1	4	ď	6	5	10/12/78	Germany (A1)	A61K	9/10		
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	AV	Cher	nical A	bstrac	ts, Vo	l. 77 (1	972) A	Abstrac	et 39130g					
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FORM PTO-14 (REV. 7-80)	49								COMMERCE ARK OFFICE	ATTY. DOCKET N 540.91195CP5	0.:	SERIAL NO.: To be assigned		
	LIST (	OF PR	IOR A	ART C	ITED	BY AI	PLIC	ANT		APPLICANT(S): An	and BAICH	WAL		
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	BA	5	1	1	0	6	0	2	05/05/92	Kim, et al.	424	451		
	BB	5_	1	6	0	2	3	4	11/03/92	Ganesan, et al.	424	78.38		
	ВС	5	2	6	4	4	4	6	11/23/92	Hegasy, et al.	514	356		
	BD	4	6	1	2	9	8	6	11/01/83	Kawata, et al.	424	80		
	BF	4	5	0	2	0	6	0	12/31/85	Hegasy, et al.	424	80		
	BF	4	6	7	3	5	0	4	06/16/87	Kawata, et al.	424	494		
	вс	4	7	6	5	9	0	0	08/23/55	Sugimoto, et al.	424	494		
	ВН	4	7	9	2	4	5	2	12/20/88	Howard, et al.	424	475		
	ві	4	8	0	8	4	1	3	02/28/89	Joshi, et al.	424	458		
	BI	4	8	6	7	9	8	5	09/19/89	Heafield, et al.	424	461		
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	ВМ	2	1	0	1	0	8	0	02/06/94	Canada (A1)	A61K	31/44		
	BN	2	1	6	0	1	0	8	12/18/95	Great Britain (A1)	A61K	9/22		
	во	0	2	3	2	1	5	5	08/12/97	EP (A2)				
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO .: SERIAL NO .: (REV. 7-80) PATENT AND TRADEMARK OFFICE 540.91195CP5 To be assigned LIST OF PRIOR ART CITED BY APPLICANT APPLICANT(S): Anand BAICHWAL (Use several sheets if necessary) FILING DATE: GROUP: Herewith To be assigned U.S. PATENT DOCUMENTS \*EXAMINER DOCUMENT NUMBER DATE NAME CLASS **SUBCLASS** FILING DATE INITIAL IF APPROPRIATE CA 8 7 08/08/95 Compassi 424 468 7 CB 5 3 12/19/95 Conte, et al. 424 78.08 CC 9 9 7 2 4 1 01/09/90 Ohm, et al. 424 479 CD 9 0 6 9 9 02/27/90 Bauer 514 972 CE 4 9 0 2 07/17/90 Ragnarsson, et al. 424 486 CF 4 9 7 3 4 6 9 11/27/90 Mulligan, et al. 424 451 CG 9 2 7 6 02/19/91 Baichwal, et al. 424 440 0 7 CH 0 9 04/16/91 0 Shell 424 451 CI 5 0 5 2 6 3 09/24/91 Barry, et al. 490 424 CI 8 7 2 1 6 4 12/10/91 Lahr, et al. 424 474 CK 3 07/07/92 Baichwal, et al. 464 424 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY **CLASS SUBCLASS** TRANSLATION YES NO CL 4 9 3 03/14/90 EP (A1) CM W 89 0 2 7 8 3 04/06/89 **PCT** 0 CN w 92 0 6 6 8 3 04/30/92 **PCT** 0 CD 9 08/27/91 Canada OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) "Crystallization and Granulation," Remington's Practice of Pharmacy, 9th Ed. Chapter XXVII, pages 208-211, 1950 Ritschel, Angewandte Blopharmazie, pages 293-302 (1973) CS CT Sugimoto, I., et al., "Dissolution and Absorption of Nifedipine from Nifedipine-Polyvinylpyrrolidone Coprecipitate", Drug Development and Industrial Pharmacy, Vol. 6, No. 2, pages 137-161 (1980) Kleinblosem, M., et al., Nifedipine: Kinetics and dynamics in healthy subjects", Clin Pharmacol. Ther., Vo. 35, No. 6, pages 742-749 CU (1984)CV Ramasch, K., et al., "Pharmacokinetics and Metabolism of Nifediphine", Hypertension Supplement II, Vo. 5, No.4, July - August 18-**EXAMINER** DATE CONSIDERED \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-144 (REV. 7-80)	49								COMMERCE ARK OFFICE	ATTY. DOCKET N 540.91195CP5	IO.:	SERIAL NO.: To be assigned		
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	DA	5	1	3	5	7	5	7	08/04/92	Baichwal, et al.	424	465		
	DB	5	ı	4	5	6	88	3	09/08/92	Rhodes	424	451		
	DC	5	4	5	5	ď	4	6	10/03/95	Baichwal	424	457		
	DD	4	Ą	8	0	6	2	3	11/89	Piergiorgio	424	465		
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FORM PTO-14 (REV. 7-80)	49								COMMERCE ARK OFFICE	ATTY. DOCKET NO 540.91195CP5	0.:	SERIAL NO.: To be assigned		
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	ED	4	9	4	0	5	8	7	07/10/90	Jenkins, et al.	424	480		
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	EI	5	2	1	5	7	5	6	06/01/93	Krishnamurthy	424	488		
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FORM PTO-14 (REV. 7-80)	49								COMMERCE ARK OFFICE	ATTY. DOCKET N 540.91195CP5	IO.:	SERIAL NO.: To be assigned		
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	FA	5	2	8	6	6	8	3	02/15/94	Oshlack, et al.	424	457		
	FB	5	3	5	•	4	6	7	10/18/94	Oshlack, et al.	106	153		
	FC	6	7	6	5	9	8	0	08/23/88	Wong, et al.	424	473		
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	FF	5	0	9	1	1	2	ő	02/25/92	Kuczynski, et al.	424	473		
	FF	5	6	6	7	8	0	1	06/16/97	Baichwal	424	457		
	FG	5	6	6	2	8	3	3	09/02/97	Baichwal, et al.	424	457		
	FH	5	5	1	2	2	9	7	04/30/96	Baichwal	424	451		-
	FF	5	7	7	3	8	2	5	06/30/98	Baichwal	424	458		
	FJ	5	6	7	9	1	6	8	09/23/97	Baichwal, et al.	424	453		
	FK	4	3	6	6	7	8	2	08/31/82	Schmitt	128	260		
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	GA	5	5_	1	8	7	3	8	05/21/96	Fuisz	424	426		
	GB	5	1	0	0_	6	6	9	03/31/92	Hyon, et al.	424	426		
	GG	5	0	2	4	8	4	3	06/18/91	Kuczynski, et al.	424	425		
	GD	4	8	0	3	0	7	٥	02/07/89	Ranade	424	438		
	GE	4	7	9	2	4	4	8	12/20/88	Ranade	424	438		
	GF	4	6	9	6	8	1	5	09/29/87	Schepky, et al.	424	80		
	GG	5	2	1	l	0	5	7	05/18/93	Hagemann, et al.	424	489		
	GH	5	2	8	8	5	0	0	02/22/94	Ibsen	424	489		
	GI	5	2	9	2	5	3	4	03/08/94	Valentine, et al.	424	451		
	GJ	5	4	7	2	7	1	1	12/05/95	Baichwal	424	468		
	GK	5	4	7	8	5	7	4	12/26/95	Baichwal et al.	424	485		
	GL	5	0	9	6	7	1	4	03/17/92	Kuhrts	424	439	-	
	GM	5	4	1	5	8	7	1	05/16/95	Pankhania, et al.	424	468		
	GN	4	0	5	1	7	2	9	07/25/89	Magruder, et al.	424	457		
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	нв	6	0	9	3	4	2	4	7/25/00	Han, et al.	426	42		
	нс	6	0	5	6	9	7	7	5/2/00	Bhagwat, et al.	424	488		
	НD	6	0	4	8	4	5	8	4/11/00	Vogt, et al.	210	603		
	HE	5	3	3	0	7	6	1	7/19/94	Baichwal	424	464		
	HF	6	1	3	6	3	4	3	10/24/00	Baichwal	424	468		
	НG	4	3	0	9	4	0	5	1/5/82	Guley, et al.	424	21		
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